

A SYSTEM FOR EXCHANGING DATA UTILIZING REMOTE DIRECT MEMORY ACCESS

ABSTRACT OF THE INVENTION

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Embodiments of the present invention are directed to a system for
exchanging data utilizing Remote Direct Memory Access. In response to a
system call, a Network File System component generates a file request. An
External Data Representation component formats the file request and passes
10 the request to a Remote Procedure Call component which initiates the file
request with a remote computer system. The Remote Procedure Call is passed
to a unifying layer which communicates the the Remote Procedure Call to
various transport layer Remote Direct Memory Access implementations. The
various Remote Direct Memory Access implementations are used to exchange
15 the data in order to communicate the file request.